

corresponding to the spacing of the second type of events to form said representation.

7. (Amended) Apparatus as claimed in claims 1 or 2, wherein said predetermined level is substantially different from the average level of the signal.

8. (Amended) Apparatus as claimed in claims 1 or 2, including crossing level input means for receiving a signal defining said predetermined level.

9. (Amended) An integrated circuit including apparatus as claimed in claims 1 or 2, a first input terminal for receiving said input signal, a second input terminal for receiving a threshold signal representing said predetermined level, and at least one output terminal for providing an output signal forming said representation.